

3748

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Oliver J. Murphy and
Craig C. Andrews



Group Art Unit: 3748

1/1 5/11/00

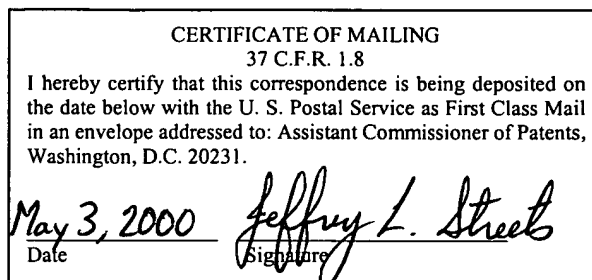
Serial No.: 09/163,068

Filed: September 29, 1998

Examiner: B. Tran

For: Catalytic Reduction of Emissions from
Internal Combustion Engines

Assistant Commissioner of Patents
Washington, D.C. 20231



Dear Sir:

RESPONSE TO OFFICE ACTION MAILED APRIL 11, 2000

In response to the office action mailed April 11, 2000 having a shortened statutory period for response expiring June 11, 2000, please consider the following remarks and amendments.

IN THE CLAIMS:

Please cancel claim 32.

Please amend the following claims:

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1.(Amended) An apparatus for treating exhaust from an internal combustion engine communication with an exhaust pipe, comprising:

an oxidizing catalyst bed disposed in the exhaust pipe;

a reducing catalyst bed disposed in the exhaust pipe downstream from the oxidizing catalyst bed;

a source of hydrogen having a first control valve providing fluid communication with the oxidizing catalyst bed, a second control valve providing fluid communication with the reducing catalyst bed, and a third control valve providing fluid communication